

**C. Schlickeysen in Berlin,**  
**Engineer, Machinist and Manufacturer**  
of  
**Brick, Tile, Pipe & Peat Machinery.**

Prizes:  
PARIS 1856. LONDON 1862. PARIS 1867. VIENNA 1873.

**Small Machines and Pugging Mills of different Kind**  
for  
**Hand, Horse and Steam-Power.**

For the Manufacture of Pottery, Stoves and other Earthen Ware, Fire Clay Goods etc., for Sculptors, Makers of Pipes, Chemical Factories etc.

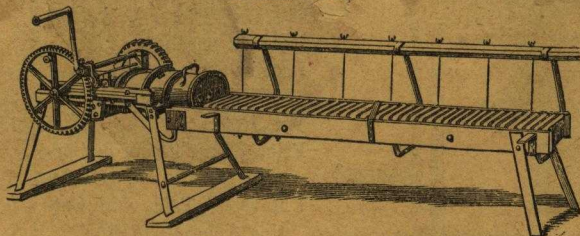
Prices, Packing included, delivered in Hamburg, Bremen, Hull, Liverpool. Payment must be made

**in Philadelphia at the Union Banking Company,**

1/2 when ordering the machines, balance before delivery. Sending always immediately.

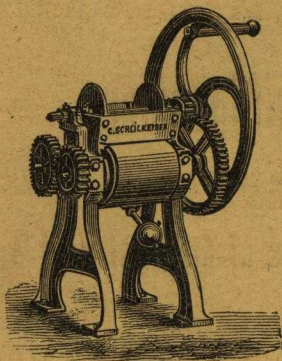
All statements referring to Working Power are given but approximately, as they are dependent on the quality of the materials and the way the machines are worked.

**A. Drain Pipe Pressing Machine with Crank Motion**  
for Hand - Power.



Prices, Produce etc. see 7th page.

### B. Hand Crushing-Roller Mills.

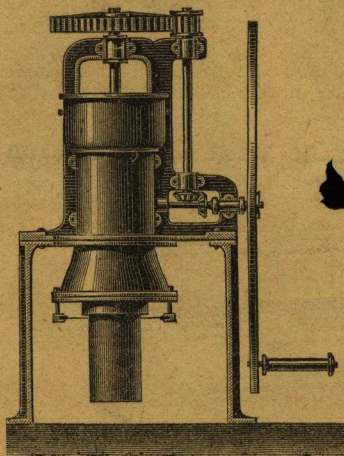


The Chilled Iron Rollers are adjustable from 1—10 Millimeters, and revolve at different speed. Double Produce when worked by Steam Power.

Crushing Roller Mill with Hand-Fly-Wheel	No.	I.	II.
Price . . . . .	Gold \$	70	110
Working-Power. . . . .	Man	1	1-2
Produce per hour . .	Hectoliters	2	5
Diameter of the Rollers. .	Mm.	200	250
Length " " " " "		250	300
Weight. . . . .	Kilo	200	350
Pair of Millers. . . . .	Gold \$	7	8

### C. Hand Pugging-Mills and Pressing Machines for Pipes

for Preparing of Clay, Pressing of homogeneous Pipes, Cylinders, Cornices, Slabs etc.



The Produce of No. 2, when worked by Steam, is doubled.

<b>Pugging Mill with No.</b> <b>Hand - Fly-Wheel</b>	<b>I.</b>	<b>II.</b>
Price . . . . . Gold \$	75	165
Working-Power . . Man	1	2
Produce per hour Hectol.	2	4
Largest outside Diameter of Pipes . . . . . Mm.	200	280
Weight . . . . . Kilo	150	300
Price of each Pipe or Cor- nice Die . . . . . Gold \$	7-9	9-15
1 Moveable Table with Cut- ting Apparatus . . . . .	8	13
1 Cleaning-Sieve . . . . .	7	13

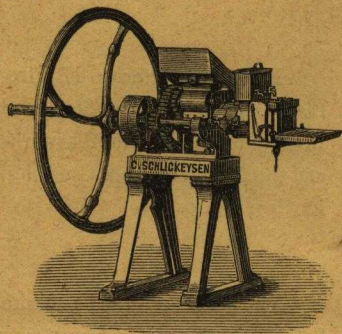


## D. Horizontal Hand Pugging Mills and Experimental Machines

for Experiments and Small Produce.

For Tiles, small Pipes, Bricks, Peat, Putty etc. etc.

When worked by Steam, the Produce of No. I. is doubled, of No. III. tripled. — The machines consist of: 1 Pugging Mill, 1 Die, 1 Water-box, 1 Cutting-Table, 1 Hand-Fly-Wheel, Pair of Pulleys.

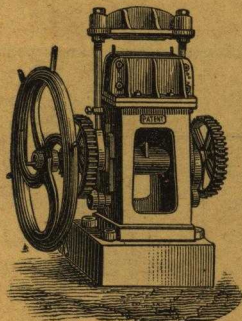


Complete Hand-Pugging Mill	No.	I.	II.
Price . . . . .	Gold \$	95	130
Working-Power . . .	Man	1	1
Produce per hour . .	Tiles	40	60
1 Die . . . . .		6-10	8-12
Orifice to recieve the	{ long	200	220
Die	{ wide	200	200
2 Iron Bearers for the same			
	Gold \$	10	12
Weight . . . . .		150	300

## E. Re-Pressing Machines for Facing- and Shaped-Bricks

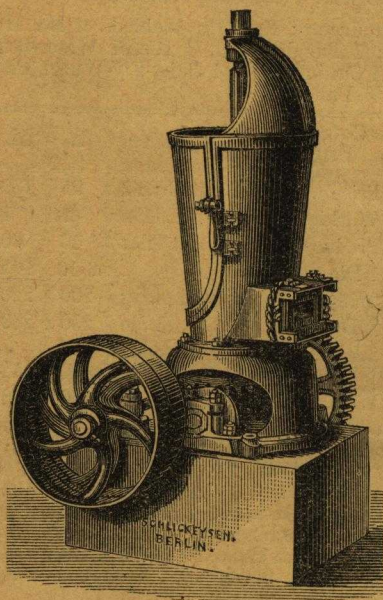
(Patent Gutermilch).

Rotation always in the same direction; thickness of Bricks can be regulated, then permanent. Each Pressing-Machine can be fitted out with the latter lined with Steel-Plates, if asked. The Pressing-Boxes are planed, Dimensions of which must be given accurately.



1 Pressing Machine with Iron Pressing-Box . . . . .	Gold \$	125
1 Pressing Machine with Steel Pressing-Box . . . . .		150
1 Special Iron Pressing-Box . . . . .		32
1 Special Steel Pressing-Box . . . . .		55
1 Pressing-Box for Wedged-Bricks and Arch-Bricks . . . . .		—
1 moveable Bearer . . . . .		14
Working-Power . . . . .	Man	1
Weight . . . . .	Kilo	350
Produce per hour . . . . .	Bricks	400

## F. Steam Pugging Mill worked with Bell-Shaped Conical Gear from below.



For Manufactories of Fire-Clay Goods, for Iron, Steel and Brass Foundries, for Glasworks and the Manufacture of Crucibles, Earthen Wares .etc.

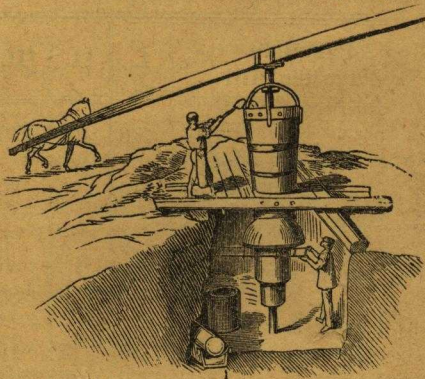
The machines, fitted out with Cast Steel Blades, prepare the hardest and softest material, produce Crucibles, Pipes etc.

Complete Steam Pugging Mill	No.	I.	II.	III.
Price . . . . .	Gold \$	125	200	375
Working-Power . . . . .	Steam Horse Power	1-2	3-4	5-6
Produce per hour . . . . .	Hectoliter	6	12	24
Height to the top of the Chamber . . . . .		1000	1200	1600
Upper Diameter of the Chamber . . . . .		—	—	—
Weight . . . . .	Kilo	—	—	—



## G. Pugging Mill with Horse Motion Gear.

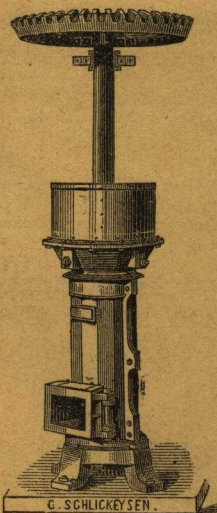
For the Manufacture of homogeneous Pipes, Cylinders, Cornices and for Sleiving of Clay.



### PRICES.

1 Pugging Mill . Gold \$	200
Power required . Horses	1
Produce per hour Hecto- liter	8
1 Die for Pipes up to 400 Mm. outside Dia- meter . . . . Gold \$	15-20
1 Cornice Die . . . .	15-20
2 Clay-Sieves, exchange- able . . . . . Gold \$	25
Weight . . . . . Kilo	600

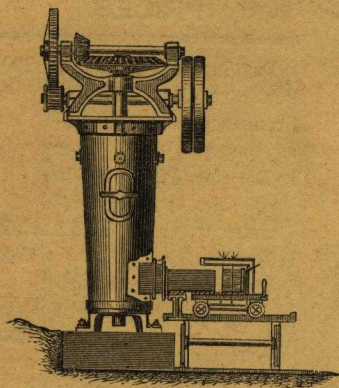
## H. Steam Pugging Mill without Cog-Wheel-Gear.



Cheapest Mixing, Pugging and Moulding Machine whenever the position of the shafting admits of direct coupling the same to the machine by means of cog-wheels, either from above, from the side or from below; suitable for Preparing the hardest clay, fire-clay and other substances. The orifices to receive the Dies are in each Machine as wide and high as the lower cylinder.

Complete Pugging Mill without wheels	No.	I.	II.	III.	IV.
Price . . . . . Gold \$		55	80	110	140
1 Die . . . . . "		7	8	9	10
Produce per hour Hectoliter		2½	5	9	15
Upper Diameter of the Hop- per . . . . . Mm.		300	400	500	600
Nether Diameter of Cylin- der . . . . . Mm.		150	200	250	300
Total Height . . . . . "		1000	1200	1500	1800
Weight . . . . . Kilo		200	300	400	500

# I. Transportable Steam Pugging Mill and Brick-Press with Double Cog-Wheel-Gear on the Top.



Complete Pugging Mill No.	I.	II.	III.
Price . . . Gold \$	320	400	480
Produce per hour Hectoliter	10	15	20
Power . Steam Horse Power	4	5	6
Produce per hour Bricks	400	600	800
1 Brick, Slab, Cornice Die . . . Gold \$	15	15	15
Weight . . . Kilo	1000	1200	1500

## K. Vertical Brick-Elevators

to transport the finished Bricks into some upper story by Steam or Hand-Power.

The Elevator consists of: 1 Transporting-Chain with Bearing-Boards, 1 stretching apparatus below, 1 driving gear with double Pulley or Hand-Fly-Wheel above.

Price per 5 Meter Total Height = 240 Gold \$.

Per Meter Extra Height = 20 Gold \$.

Sand and Clay Elevators, Grinding and Pulverizing-Mills, Washing Machinery, Planed Iron Dutch Tile Moulds etc. to order.

**C. SCHLICKEYSEN, BERLIN, GERMANY,**

Machinist and Manufacturer of Brick, Tile, Pipe & Peat Machinery.



## A. Drain Pipe Pressing Machine with Crank Motion.

The Pressing-Cylinder, the Dies, Rock and Bearers are of Wrought Iron. The Feeding and Pressing requires one man, the Cutting and Carrying away 1—3 boys. No. 1 produces Pipes up to 200 Mm. outside Diameter and Perforated Stretchers; No. 2 Pipes up to 200 Mm. Diameter and Perforated Stretchers and Binders. The machine consists of: 1 Press, 4 Dies, 2 Sieves, 1 Cutting Table.

Drain Pipe Pressing - Machine	No.	I.	II.
Price . . . . .	Gold \$	125	200
Produce per hour, small Pipes . . . . .		300	600
Weight . . . . .	Kilo	300	500
1 Die for Pipes . . . . .		6	7
1 Sieve . . . . .		4	5
1 Die for Perforated Bricks . . . . .		7	8

Berlin, S. O., Wassergasse 17. 18.  
1876.

**C. Schlickeysen,**

Engineer, Machinist and Manufacturer of Brick,  
Tile, Pipe & Peat Machinery.

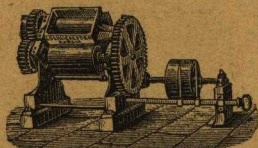
**Several Hundreds of Machines**  
always ready for immediate delivery.

**INTERNATIONAL EXHIBITION PHILADELPHIA.**  
1876.

**12 of C. Schlickeysen's Machines are working from beginning to the end of the exhibition.**

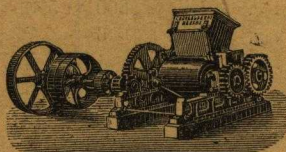
# Single and Double Crushing Roller Mills of Chilled Iron

with Smooth or Spike Rollers  
for Horse or Steam-Power.



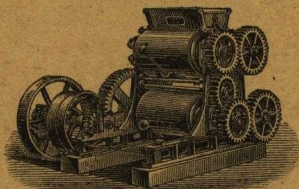
**B. Transportable Crushing Roller Mills for Horse or Steam Power, especially for the Horizontal Brick Machines.**

	I.	II.	III.
Price of Crushing Roller Mill			
Gold \$	175	270	360
Elevator . . .	40	50	70
Total Weight . . . Kilo	750	1000	1500
Produce per hour . Bricks	500	1000	2000
Power required, Steam H.P.	1	2	3
1 Spare Roller . . . Gold \$	90	120	240



**C. Heavy Crushing Roller Mills for the vertical Brick Machine, for hard and stony clay.**

	III.	IV.	V.	VI.
Price of Cr. Roller Mill . . . Gold \$	350	590	750	1600
Elevator . . .	240	270	320	450
Total Weight, Kilo	1500	2300	3000	6000
Produce p. hour, B.	1500	2500	3500	6000
Power req., St. H.P.	3	4	6	8
1 Spare R., Gold \$	40	65	80	240



**E. Double Crushing Roller Mill with 4 Rollers for raw, hard and very impure materials, Slate Burned fire Clay, Coals.**

	III.	IV.	V.
Price of Crushing Roller Mill . . . . . Gold \$	530	790	1050
Price of Elevator . . . . .	240	270	320
Total Weight. . . . . Kilo	2500	3500	4500
Produce per hour, Bricks	1500	2500	3500
Power required, St. H. P.	4	6	8
1 Spare Roller . . . Gold \$	40	65	80

Weights and Produce are given but approximatively. For Mixing the Clay and Breaking of hard lumps each Crushing Mill can be fitted out besides with Spike-Rollers, the Price of which is 10 % more than that of the Spare Rollers.



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